Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A method comprising:

providing a system including an interface and multiple units of compiled code, the interface including global components and each unit depending on at least one of the global components included in the interface;

dividing the interface into levels, each level including ~~a set of~~ one or more of the global components, each global component being included in no more than one of the levels;

generating multiple dependency lists;

associating a unique one of the multiple dependency lists with each of the levels;

associating a unit with a dependency list based on the global components on which the unit depends; and

marking only those units associated with a particular dependency list for recompilation based on a change to a particular global component affecting those dependency lists with relationships to a level that includes the changed global component.

2. (Original) The method of claim 1 wherein the interface includes a definition unit.

3. (Original) The method of claim 2 further comprising recompiling the unit automatically based on the marking.

4. (Original) The method of claim 3 wherein recompiling the unit occurs at a subsequent usage.

5. (Original) The method of claim 4 wherein the subsequent usage is a next usage.

6. (Original) The method of claim 1 wherein marking only those units associated with a particular dependency list for recompilation based on a change to a particular global component affecting those dependency lists with relationships to a level that includes the changed global component further comprises:

determining if a particular property associated with the level has changed; and

marking the unit for recompilation only if a particular property has changed.

7. (Original) The method of claim 1 wherein dividing the interface into levels further comprises assigning an arbitrary number of levels to the interface.

8. (Original) The method of claim 1 wherein dividing the interface into levels includes assigning a level based on a dependency on all levels of the interface.

9. (Original) The method of claim 8 further comprising recompiling a client assigned to the level based on a strong dependency on the whole interface after each change to the interface.

10. (Original) The method of claim 1 wherein dividing the interface into levels further comprises assigning a level based on a dependency on an interface component.

11. (Original) The method of claim 10 further comprising, recompiling a unit assigned to the level based on a dependency on an interface component after each change to the component.

12. (Original) The method of claim 11 wherein the change to the component includes a name change.

13. (Original) The method of claim 11 wherein the change to the component includes a deletion of a component.

14. (Original) The method of claim 11 wherein the change to the component includes a layout change.

15. (Original) The method of claim 1 wherein dividing the interface into levels includes assigning a level based on a reference to the interface.

16. (Original) The method of claim 15 wherein the client depends on the existence of the interface.

17. (Original) The method of claim 1 further comprising associating indirect clients with a level.

18. (Original) The method of claim 17 wherein the indirect clients are associated with a lower level than the units.

19. (Original) The method of claim 1 wherein the dependency list is automatically managed by the system.

20. (Currently Amendedl) A computer program product, tangibly embodied in a machine-readable storage device ~~an information carrier~~, for executing instructions on a processor, the computer program product being operable to cause a machine to:

provide a system including an interface and multiple units of compiled code, the interface including global components and each unit depending on at least one of the global components included in the interface;

divide the interface into levels, each level including ~~a set of~~ one or more of the global components, each global component being included in no more than one of the levels;

generate multiple dependency lists;

associate a unique one of the multiple dependency lists with each of the levels;

associate a unit with a dependency list based on the global components on which the unit depends; and

mark only those units associated with a particular dependency list for recompilation based on a change to a particular global component affecting those dependency lists with relationships to a level that includes the changed global component.

21. (Original) The computer program product of claim 20 further comprising, instructions to cause a machine to recompile the client automatically based on the marking.

22. (Original) The computer program product of claim 20 wherein the interface includes a definition unit.

23-26. (Canceled)

27. (Currently Amended) A system comprising:

a primary system including an interface and multiple units of compiled code, the interface including global components, and each unit depending on at least one of the global components ~~included~~ in the interface;

a recompilation system including a processor and a memory storing a computer program product that includes instructions operable to cause the processor to:

~~a means for dividing~~ divide the interface into levels, each level including ~~a set of~~ one or more of the global components, each global component being included in no more than one of the levels;

~~a means for generating~~ generate multiple dependency lists;

~~a means for associating~~ associate a unique one of the multiple dependency lists with each of the levels;

~~a means for associating~~ associate a unit with a dependency list based on the global components on which the unit depends; and

~~a means for marking~~ mark only those units associated with a particular dependency list for recompilation based on a change to a particular global component affecting those dependency lists with relationships to a level that includes the changed global component.

28. (Currently Amended) The system of claim 27 in which the computer program product stored in the memory of the recompilation system further includes instructions operable to cause the processor of the recompilation system to automatically recompile only those units that are marked. ~~further comprising a means for recompiling the unit automatically based on the marking.~~

29. (Original) The system of claim 27 wherein the interface includes a definition unit.

30. (Currently Amended) The system of claim 27 in which the computer program product stored in the memory of the recompilation system further includes instructions operable to cause the processor of the recompilation system to: ~~further comprising:~~

~~a means for determining~~ determine if a property associated with the level has changed, and

~~marking~~ mark the unit for recompilation only if a property has changed.

31-33. (Canceled)